| 1111               |  | inc<br>IIIII  | le<br>III | X         | oi<br>III | f (           | C/a          | air.       | ns<br>              | Application/Control No.     |          |          |                 |         |                |                 |          |          |                 | Applicant(s)/Patent under Reexamination  OKUDA ET AL. |          |       |            |                 |              |          |    |          |                     |               |          |
|--------------------|--|---------------|-----------|-----------|-----------|---------------|--------------|------------|---------------------|-----------------------------|----------|----------|-----------------|---------|----------------|-----------------|----------|----------|-----------------|---|----------|-------|------------|-----------------|--------------|----------|----|----------|---------------------|---------------|----------|
|                    |  |               |           |           |           |               |              |            |                     |                             |          |          |                 |         | Examiner       |                 |          |          |                 |   |          |       |            |                 | Art Unit     |          |    |          |                     | <u>-</u>      |          |
| 1188               | 10. 1001 E110 6111 9110 5110 5110 1111 1121 1121 1121 1121 |               |           |           |           |               |              |            |                     |                             |          |          |                 |         | Pia F. Tibbits |                 |          |          |                 |   |          |       |            |                 | 2838         |          |    |          |                     |               |          |
|                    | ~  |               |           |           | d         |               |              |            | (                   | (Through numer<br>Cancelled |          |          |                 |         |                | N               | N        | -Ele     | ected           |   |          | A     | Appeal     |                 |              |          |    |          |                     |               |          |
| \                  | =  |               |           |           |           |               | ÷            | Restricted |                     |                             |          | ]        |                 |         | ı              | Interferer      |          |          | en              | ce  |          | 0     | Objected   |                 |              |          |    |          |                     |               |          |
| Claim              | T  | _             | Date      |           |           | ate           | <del>-</del> |            |                     |                             | Cla      | aim      | Γ               |         |                | Date            | =        |          |                 |   | ן ך      | Cla   | aim        | Т               | Date         |          |    |          | 7                   |               |          |
| Final<br>Orjginal/ | 17/1/1/1/1/1/1/1/1/1/1/1/1/1/1/1/1/1/1/                    | 3             | \<br>\    |           |           |               |              |            |                     |                             | Final    | Original |                 |         |                |                 |          |          |                 |   |          | Final | Original   |                 |              |          |    |          |                     |               |          |
| 1                  | 10   | 4             | +         | +         | $\dashv$  | $\dashv$      | $\dashv$     |            | $\vdash$            | $\dashv$                    | -        | 51       | $\vdash$        | +       | +              | $\vdash$        |          |          | $\vdash$        | $\dashv$  | ŀ        |       | 101        | $\vdash$        |              | $\dashv$ | +  | +        | +                   | $\dashv$      | _        |
| 2                  | ١  | 1             | İ         |           |           |               |              |            |                     |                             |          | 52       |                 |         |                |                 |          |          |                 |   |          |       | 102        |                 |              |          |    |          |                     |               |          |
| 3                  | ١  | _             | 1         | 1         | 4         |               | _            |            |                     | _                           |          | 53       | $\sqcup$        | -       | -              |                 | Н        |          |                 | 4   | -        |       | 103        | $\sqcup$        | _            |          | 4  | 1        |                     |               | 4        |
| 5                  | 1  |               | +         | +         | +         |               | -            |            | Н                   | $\dashv$                    | -        | 54<br>55 | $\vdash$        | +       | +              | H               | H        |          | H               | $\dashv$  | ŀ        |       | 104<br>105 | $\vdash$        | +            | +        | +  | +        | H                   |               |          |
| 6                  | 1  |               | $\dagger$ | $\dagger$ | 1         |               |              |            |                     | $\exists$                   |          | 56       |                 |         | T              |                 | $\Box$   |          | Н               |   | h        |       | 106        |                 | 1            | $\top$   | 1  | $\top$   | T                   | $\neg$        | _        |
| 7                  | Ī  | $\overline{}$ | Ţ         | 1         | $\bot$    |               | _            |            |                     |                             |          | 57       |                 |         | 1              |                 |          |          |                 |   |          |       | 107        |                 | $\perp$      | $\perp$  |    | $\perp$  |                     |               |          |
| 9                  | =  |               | ╀         | +         | +         | -             |              | _          | $\vdash$            | $\dashv$                    | -        | 58<br>59 | Н               | +       | +              | $\vdash$        |          | _        | $\vdash$        | -   | -        |       | 108<br>109 | $\vdash$        | +            | +        | +  | +        | $\square$           |               | -        |
| 10                 | +  |               | ╁         | +         | +         | $\dashv$      | $\dashv$     |            | H                   | $\dashv$                    | -        | 60       | $\vdash$        | +       | +              | H               |          |          | $\vdash$        | $\dashv$  | ŀ        |       | 110        | $\vdash$        | +            | +        | ╁  | +        | H                   |               |          |
| 11                 | -  |               |           |           | Ī         |               |              |            |                     |                             |          | 61       |                 |         |                |                 |          |          |                 |   | E        |       | 111        |                 | $\perp$      | $\top$   |    |          |                     |               |          |
| 12                 | =  | -             | Ļ         | 4         | 4         | _             | _            |            | Ц                   | 4                           |          | 62       | Ш               |         | $\bot$         |                 | _        |          | $\sqcup$        | _   | -        |       | 112        | Ш               | _            | ┸        | _  | _        | $\sqcup$            | _ _           |          |
| 13<br>14           | =  | +             | ╀         | +         | +         | $\dashv$      | $\dashv$     | _          | $\dashv$            | $\dashv$                    |          | 63<br>64 | $\vdash$        |         |                |                 | $\vdash$ | _        | H               | $\dashv$  | -        |       | 113<br>114 | $\vdash$        | -            | +        | +  | ╀╌       | ╁┤                  | _             | -        |
| 15                 | ╁  | +             | t         | +         | +         | $\dashv$      | $\dashv$     | _          | $\dashv$            | $\dashv$                    | -        | 65       | $\Box$          |         |                | -               |          | $\neg$   | H               | $\dashv$  | ŀ        |       | 115        |                 | <del>-</del> | +        | +- | +-       | +                   |               | -        |
| 16                 |  |               |           |           | I         |               |              |            |                     |                             |          | 66       |                 |         |                |                 |          |          |                 |   | Ĺ        |       | 116        |                 |              |          |    |          |                     |               | ゴ        |
| 17                 | 1  | 1             | 1         | $\perp$   | 1         | _             | [            | _          | $\vdash \downarrow$ | _                           | <u> </u> | 67       | Ш               | 1       | _              | Ш               |          | _        | H               | $\dashv$  | F        | ]     | 117        |                 | 1            |          | 1  | 1        | $\sqcup$            | $\perp$       | _        |
| 18<br>19           | +  | +             | ╀         | +         | +         | -             | -            |            | $\vdash$            | $\dashv$                    |          | 68<br>69 | $\vdash$        | +       | +              | $\vdash$        |          |          | $\vdash$        | $\dashv$  | -        |       | 118<br>119 | $\vdash$        |              |          | +- | +        | $\left\{ -\right\}$ |               |          |
| 20                 | +  | -             | $\dagger$ | +         | +         | $\dashv$      | $\dashv$     | $\dashv$   | $\dashv$            | $\dashv$                    | -        | 70       |                 | +       | +              | $\vdash$        | $\dashv$ | $\dashv$ | $\vdash$        | $\dashv$  | -        |       | 120        | $\vdash$        | +            | +        | +  | +        | ++                  | +             | $\dashv$ |
| 21                 |  |               | I         |           | I         |               |              |            |                     |                             |          | 71       |                 |         |                |                 |          |          |                 |   |          |       | 121        |                 |              |          |    |          |                     |               |          |
| 22                 | 1  | 1             | Ĺ         | 1         | $\perp$   | -[            |              |            |                     | _                           |          | 72       |                 | _       | _              |                 |          |          |                 | _]  | F        |       | 122        |                 |              |          |    | ļ_       |                     | $\bot$        | _        |
| 23                 | ╀  | +             | +         | +         | +         | $\dashv$      | +            | -          | $\dashv$            | $\dashv$                    |          | 73<br>74 | $\vdash \vdash$ | -       | +-             | $\vdash$        | $\dashv$ | $\dashv$ | $\vdash \vdash$ | $\dashv$  | $\vdash$ | _     | 123<br>124 | $\vdash \vdash$ | -            |          | +- | +-       | ╁╌┤                 | +             | _        |
| 25                 | +  | +             | +         | +         | +         | $\dashv$      | $\dashv$     | $\dashv$   | +                   | $\dashv$                    | -        | 75       | $\vdash$        | - -     | +              | $\vdash$        | $\dashv$ | $\dashv$ | $\vdash$        | $\dashv$  | $\vdash$ |       | 125        |                 |              | - -      | +- | $\vdash$ | ╁╌┤                 | $\dashv$      | $\dashv$ |
| 26                 | t  | T             | T         |           | _†        | _†            | _            |            |                     |                             |          | 76       |                 | ╛       | 1              | Н               |          | _        |                 |   |          |       | 126        |                 |              | $\top$   | T  | T        | $\Box$              | $\neg \vdash$ | 7        |
| 27                 |  | L             | L         | $\perp$   | $\perp$   | $\Box$        |              |            |                     |                             |          | 77       | $\Box$          | $\perp$ |                |                 | $\Box$   |          |                 |   |          |       | 127        | $\square$       |              | T        |    |          | П                   |               | ]        |
| 28                 | ╀  | $\bot$        | ╀         | +         | $\perp$   | $\dashv$      | _            | _          |                     | _                           |          | 78       | $\vdash \vdash$ | +       | +              | $\vdash \vdash$ | $\dashv$ | _        | $\vdash$        | $\dashv$  | -        | _     | 128        | ${oxed}$        | +            | +        | +  | $\vdash$ | $\vdash$            | _             | 4        |
| 30                 | +  | +             | ╁         | +         | +         | $\dashv$      | -            | -          | -                   | $\dashv$                    | -        | 79<br>80 | $\vdash$        | +       | +              | $\vdash \vdash$ | $\dashv$ | -        | $\vdash$        | $\dashv$  | H        |       | 129<br>130 | $\vdash$        | +            | +        | +  | $\vdash$ | ┼┤                  | +             | $\dashv$ |
| 31                 | +  | +             | $\dagger$ | ╁         | +         | +             | $\dashv$     |            | $\dashv$            | $\dashv$                    |          | 81       | $\vdash$        | +       | +              | H               | $\dashv$ |          | -               | $\dashv$  | H        |       | 131        | H               | +            | +        | +  | +        | $\vdash$            | $\dashv$      | -        |
| 32                 | I  | L             |           | I         |           |               |              |            |                     |                             |          | 82       |                 |         |                |                 |          |          |                 |   |          |       | 132        |                 | 士            |          | T  |          |                     |               |          |
| 33                 | $\Box$   | I             | Į         | $\bot$    | 1         |               | $\Box$       |            | $\Box$              | _                           |          | 83       | П               |         | $\perp$        | Ш               | 1        | $\Box$   |                 | $\Box$  |          |       | 133        |                 | $\bot$       | $\perp$  |    |          | $\Box$              |               |          |
| 34<br>35           | +  | +             | ╀         | +         | +         | +             | $\dashv$     | 4          | -                   | $\dashv$                    |          | 84<br>85 | $\vdash \vdash$ | - -     | +              | $\vdash \vdash$ | $\dashv$ | -        | $\vdash$        | $\dashv$  | F        |       | 134<br>135 | $\dashv$        | +            | +        | +  | ╀        | $\vdash$            |               | -        |
|                    | 1  | 1             | _         |           | +         | $\rightarrow$ | $\dashv$     | $\dashv$   | -                   | $\dashv$                    |          | 86       | +               |         | +              | $\vdash$        | $\dashv$ | -        | +               | $\dashv$  | ⊢        |       | 136        | $\vdash$        | -            | +        | +- | +-       | 1                   |               | -        |

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